

Warm Up:

1- Inference is based on.....

samples / sampling distr.

2- Formal Statistical Inference is....

- making concl
- about from data
- known degree of conf.

3- The confidence level gives us the probability that....

- in repeated samples
the conf int (a, b)
contain true param. (p)

4- The form for a confidence interval is....

estimate \pm m.o.e. = (a, b)

5- What are the 2 parts of a confidence interval?

① interval (a, b)

② conf. level (%)

6- What are the two types of Formal Statistical Inference that we will learn?

① Conf. Intervals

② Hypothesis Tests

7- What is the check we must do to be sure that proportions follow normal distributions?

$$np \geq 10$$
$$n(1-p) \geq 10$$

8- What is the formula for a confidence interval? (about a proportion)

$$\hat{p} \pm z^* \sqrt{\frac{\hat{p}(1-\hat{p})}{n}}$$